MR FORM 2
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MINING APPLICATION NO. _____

Date: _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

MINING AND RECLAMATION PLAN
(Other forms may be used in lieu of MRA 2, provided they contain the same information.)

1. Name of Applicant or Company Kennecott Copper Corporation, Tintic Division

2. Proposed type of operation Quarry

3. (a) Prior Land Use(s) Mining and livestock grazing

   (b) Current Land Use(s) Mining and livestock grazing

   (c) Possible or Phospective Future Land Use(s) Mining and livestock grazing

4. What vegetation exists on the land proposed to be affected Juniper, pinion pine, and sage.

   (a) Types and Estimated Percent Cover or Density: See Appendix B; paragraph B-1

5. What is the range pH of soil before mining? --------- pH.

   Name of Person or Agency and method of determining pH See Appendix B; paragraph B-2.

6. Site elevation above sea level 6300 feet to 6900 feet

7. In case of coal, oil shale, and bituminous sandstone:

   Principal seam(s) and thickness(es) _____

8. Estimated duration of mining operations 50 years

9. Has overburden, waste or rejected materials been classified as acid or alkali producing? ( ) Yes (X) No
   Does the above material being moved have any other characterisitics affecting revegetation? No

10. Will any underground workings or aquifers be encountered? ( ) Yes (X) No
    Describe _____

    Is there an active discharge of water from abandoned deep mines on or crossing the land affected? ( ) Yes (X) No If Yes, describe the quality of water being discharged. _____

11. Describe specifically a detailed procedure for: **See Appendix B; paragraph B-3.**

a. The mining sequence.
b. The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades.
c. The procedure for site preparation including removing trees and brush.
d. The method for removing and stockpiling topsoil or disturbed materials.
e. The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic material.
f. A procedure for final stabilization of disturbed materials.

GRADING AND REGRADING

Specifically describe: **See Appendix B; paragraph B-4.**

a. Typical cross-section of regrading.
b. The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material.
c. What type of soil treatment will be utilized.
d. The method of drainage control for the final regraded area.
e. Maximum grading slope.

TESTING

1. a. Describe method for testing stability of reclamation fill material.
See Appendix B; paragraph B-5.

b. Describe method for the testing of soil that is intended to support vegetation. _____

2. Describe any soil treatment employed as an aid to revegetation. _____
See Appendix B; paragraph B-5

3. Describe surface preparation of areas intended to support vegetation:
See Appendix B; paragraph B-5.

REVEGETATION

1. Revegetation to be completed by:
( ) Operator
( ) Soil Conservation District
( ) Private Contractor _____ (Name)
(X) Other (Specify) **Lessee**
( ) Hydroseeding
( ) Aerial Seeding
( ) Conventional or Rangeland Drilling
( ) Other (Specify) _____

2. Will Mulch Be Used?
Type _____ Rate/Acre _____ lbs.

If yes, explain:

STATE OF Utah

COUNTY OF Juab

I, T. B. Hannifin, Jr., having been duly sworn depose and attest that all of the representations contained in the foregoing application are true to the best of my knowledge; that I am authorized to complete and file this application on behalf of the applicant and this application has been executed as required by law.

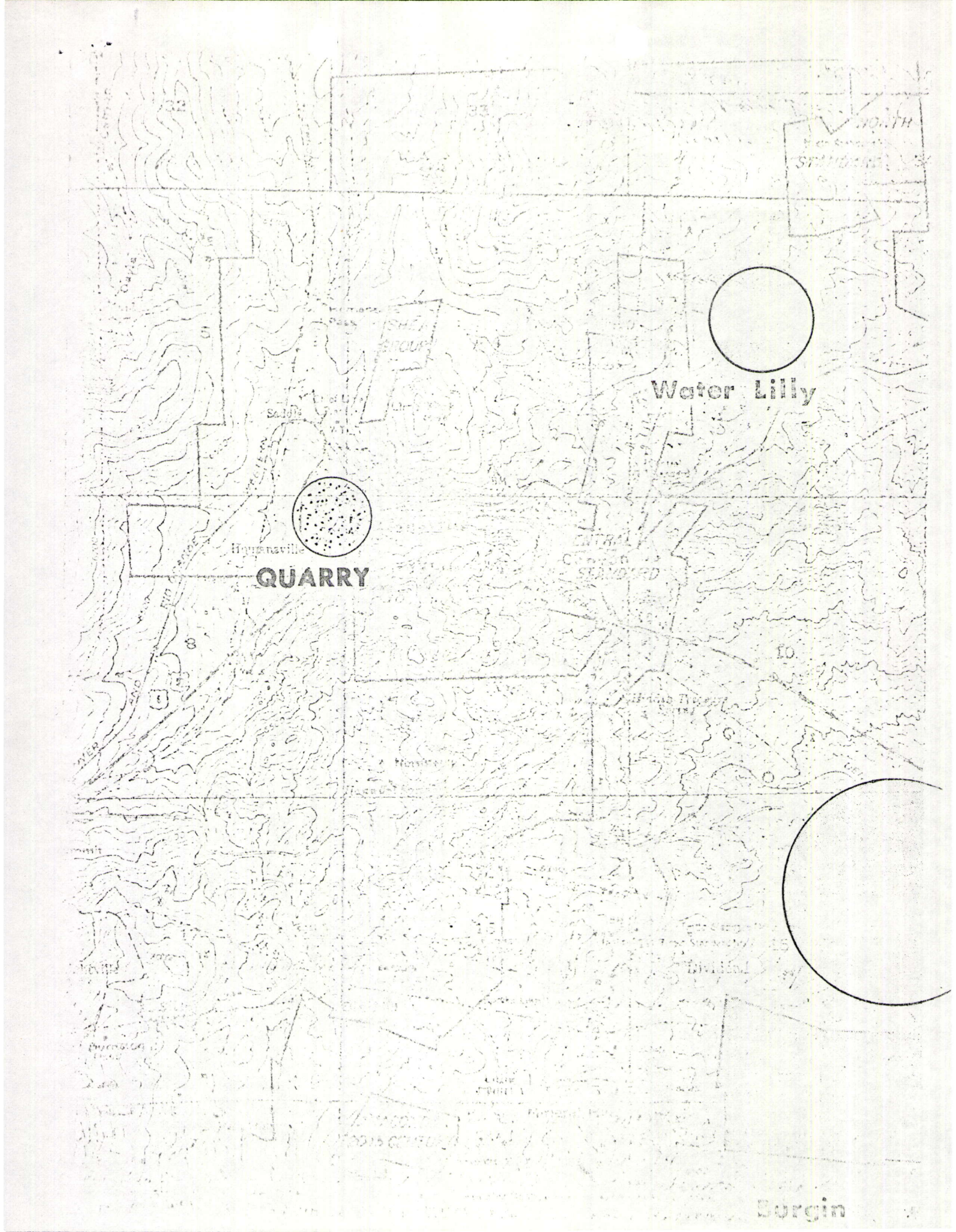
Signed: T. B. Hannifin, Jr.

Taken, subscribed and sworn to before me the undersigned authority in my said county, this 22 day of December, 19 78.

Notary Public: Frederick A. Johnson
F. A. Johnson
Eureka, Utah

My Commission Expires: January 7, 1979

and forbs similar to those now native to the area. Some wildlife or livestock grazing may occur. However, due to the low wildlife population and the small size of the area in question, no protection will be needed. Maintenance procedures for revegetation will consist of monitoring foliage development for up to three years after cessation of mining and reseeding or reconditioning the soil as necessary within this time until desired results are obtained.


Water Lilly
QUARRY